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 Db 4620 cctaaag

RESULT 6
 ID AAQ79325 standard; CDNA: 3260 BP.
 AC AAQ79325;
 XX 28-JUN-1995 (first entry)
 DT XX
 DE Mammalian MEK kinase (MEK1) cDNA.
 XX MEK kinase; MEK1: mitogen-activated protein kinase regulator;
 KW MAPK; cell atrophy inhibition; Parkinson's; Alzheimer's; cancer;
 KW autoimmune diseases; allergies; wound healing; oncogenes;
 KW tumour agents; neurotrophic growth factor; ds.
 XX Mus musculus.
 OS
 FH Key Location/Qualifiers
 FT CDS 486..2504
 FT /tag- a
 PN W09424159-A.
 XX 27-OCT-1994.
 PD 15-APR-1994: 94WO-US04178.
 PF 15-APR-1993: 93US-0049254.
 PR (NAU-) NAT JEWISH CENT IMMUNOLOGY & RESPIRATORY.
 XX Johnson GL;
 PI
 XX WPI: 1994-357747/44.
 DR P-PDB: AAR6029.
 XX
 PT New MEK kinase protein and related antibodies and nucleic acid
 PT regulator of mitogen activated protein kinase, useful
 PT therapeutically to inhibit cell atrophy, to screen for oncogenes
 PT etc.
 XX Claim 6; Page 8; 84pp; English.

XX AAQ79325 encodes AAR6029 the mammalian MEK kinase (MEK1), other
CC unique mammalian MEK kinases identified by PCR are described in
CC AAR6030 (MEK2), AAR6031 (MEK3) and AAR6032 (MEK4). MEK is an
CC activator, independent of Raf protein, of mitogen-activated protein
CC kinases (MAPK). Inactivation of MEK can be used in the treatment
CC of some cancers, autoimmune diseases and allergies, while
CC stimulation can promote wound healing. MEK can also be used to
CC alleviate cellular atrophy in Parkinson's or Alzheimer's by acting
CC as a neurotrophic growth factor, and to screen for oncogenes and
CC tumour agents.

SQ Sequence 3260 BP: 869 A; 837 C; 793 G; 761 T; 0 other:

Query Match 61.8%; Score 3245.8; DB 15; Length 3260;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 3258; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

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Db 3240	ctacaataaaaaaaaaaaaaa 3260	

RESULT 7

ID	AAV22676 standard; CDNA; 3260 BP

AC AAV22676;

DT 17-JUL-1998 (first entry)

DE CDNA encoding a murine mitogen-activated protein kinase (MAPK)

KW Mitogen-activated protein kinase kinase; MAPKK; mouse; rat; embryonal kidney; cultured; kinase kinase; MEK; rat

KW signal transduction; raf-independent arm; screening assay; treatment; disorder; cancer; autoimmune disease; inflammation; allergy.

KW neuronal disease; Parkinson's disease; Alzheimer's disease; ds

OS	Mus	sp.
XY		

Key	Location/Qualifiers
FH 5/ITPB	1 485

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ET      496  2504
CDS
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ET	/*tag=
YY	c

PN US5753446-A
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PD 19-MAY-1998
YY

PF 06-JUN-1995
XY

PR 15-APR-1993
PR 14-OCT-1994

PR 21-FEB-1995
PR 12-MAY-1995

XX
XX
PA (NA.TE-) NAT

XX
PT Johnson GI:

XX
DR - WPT: 1998-3

DR P-PSDB; AAW:
XX

PT screening mammography

XX
PS
Claim 6: Co

xx The present
cc

CC kinase (MEK1)

Screening assay for regulators of MEKK signal transduction - using mammalian MEKK polypeptide

Claim 6; Columns 29-34; 48pp; English.

The present sequence encodes a murine mitogen-activated protein kinase kinase (MAPKK) (also known as extracellular signal-regulated kinase (MEKK)). The protein, which is serine/threonine kinase is capable

Claim 6; Page 8; 84pp; English.

SQ Sequence 3260 BP; 869 A; 837 C; 793 G; 761 T; 0 other

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alignment_block:
US-09-403-075-4 x AAQ79325 .
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810	LysLeuSerArgArgILEtyrLeuSerSerAlaArgMetValThrAlaVa	826
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826	IProAlaValIheserLySLeuValThmMeluAsnAlaSerGlySet	843
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1900	CCAGCTGCGAAGAGACAACTACAACCTCTTCATGTAGTGAATGGCGGGA	1949
1310	GlySerValAlaHisIleuLeuSerTyrGlyAlaAlaPheLysGluSerVal	1326
1950	GGATCTGTGGCTCACTCTTGAATATACGGAGCGTTTCAAGAGACTCAGT	1999
1326	IValIleAsnTyrThrGlnGlnIleuLeuArgGlyLeuSerTyrIleuHisG	1343
2000	CGTATTAATCAACAGAGACGTTACTGTGGGTGCTTCTTATGTCCACG	2049
1343	IuAsnGlnIleIleHisArgAspValLysGlyAlaAsnIleuLeuLeuAsp	1359
2050	AGAACGAGATCATTCACAGAGAGCTAAAGGTGCCAACTGCTATTGAC	2099
1360	SerThrGlyGlnArgLeuArgIleAlaAspPheGlyAlaAlaAlaArgLe	1376
2100	AGCACCGGTGAGAGGCTGAATATTCAGACTTTGGAGTGTGCCAGGT	2149
1376	uAlaSerLysGlyThrGlyAlaGlyAluPheGlnGlnIleuLeuGlyT	1399